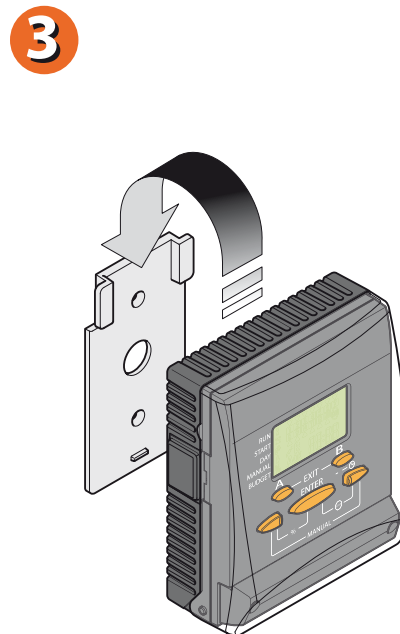
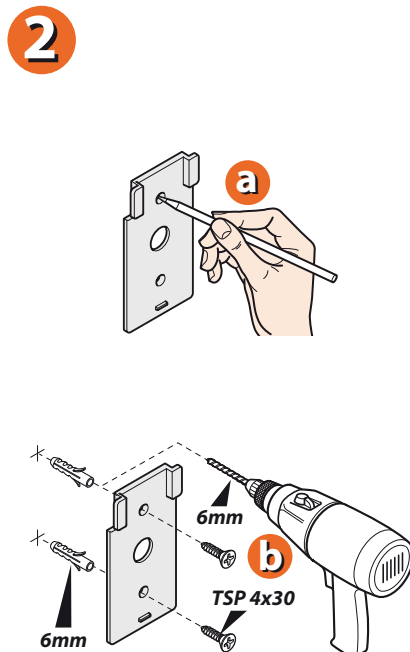
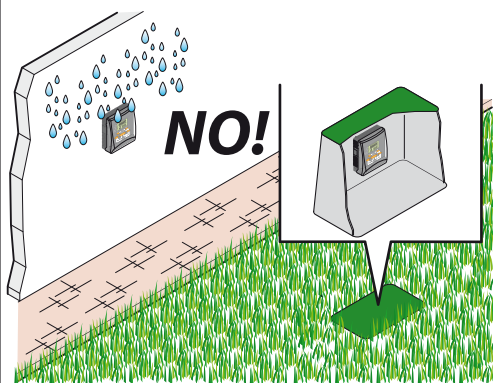
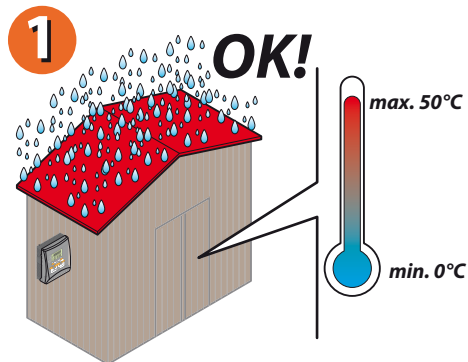
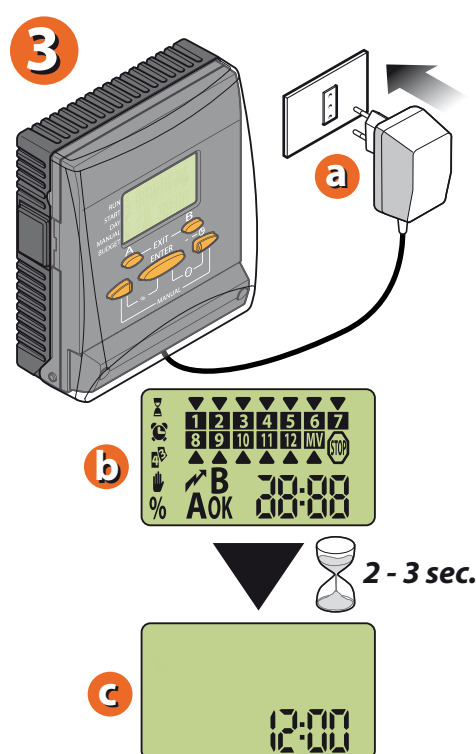
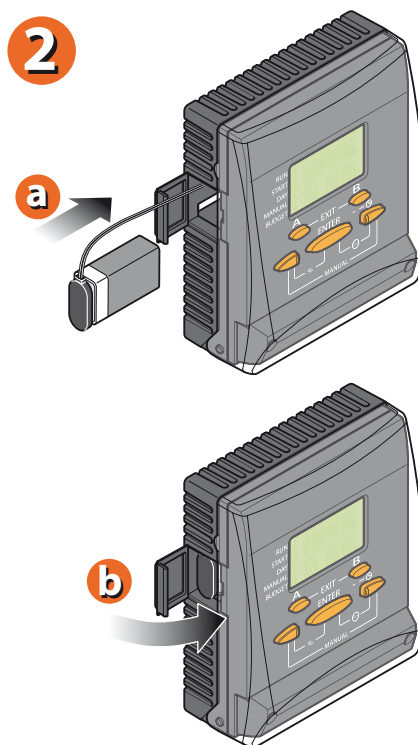
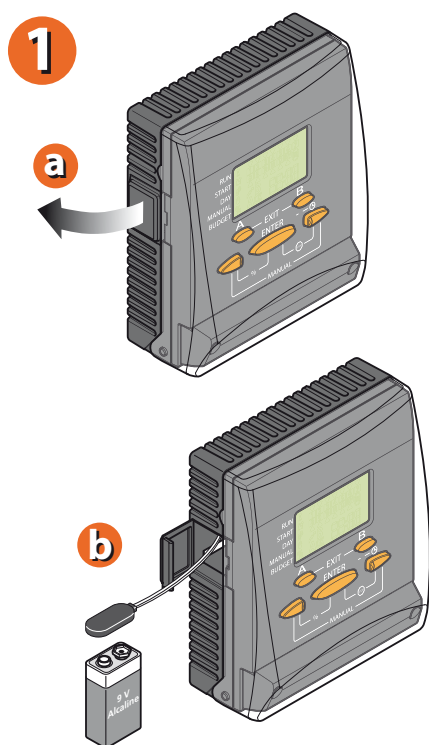


Fix the timer to a wall in a covered location, sheltered from weather and splashing water; ambient temperature between 0 and 50 °C. Do not install the timer outdoors or in underground valve box.



For Cometa 4 Zone (p/n): 8014
For Cometa 6 Zone (p/n): 8016

Before connecting the timer to the electrical power supply, install the 9V backup battery, which will ensure that the clock setting and programme data will not get lost in case of a mains power failure. Open the snap-fit cover of the battery pocket. Pull out the cable (and the old battery, in case of a replacement). Connect or replace the battery. Reposition the cable and the battery in the pocket and close the cover.



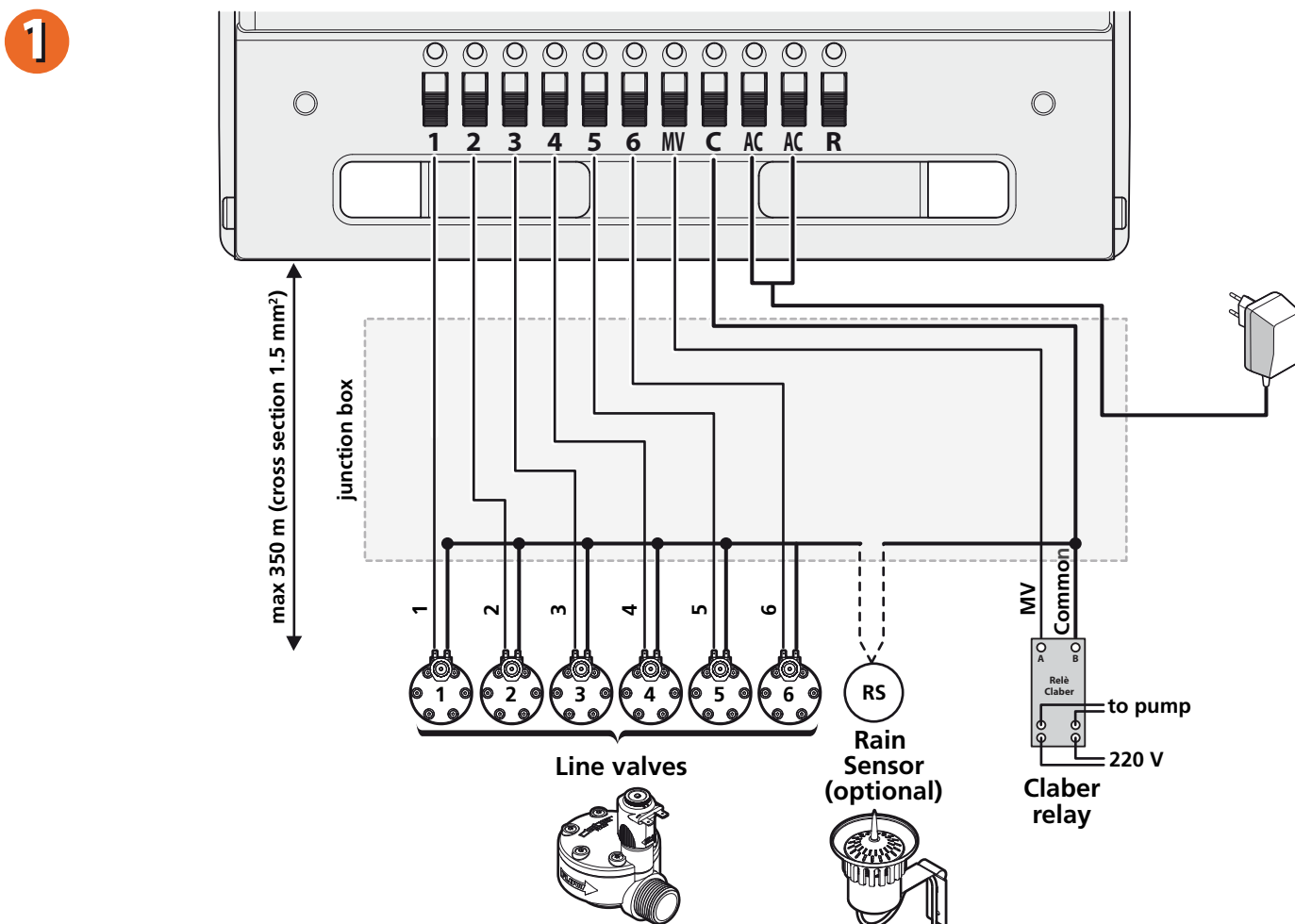
For Cometa 4 Zone (p/n): 8014
For Cometa 6 Zone (p/n): 8016

Having laid the protective conduit for the valve cables (from the valves to the junction box), proceed with the installation of all the cables, bearing in mind that:

- 1) the terminals common to all the valves (including the Master Valve) are located together in the junction box; hence the connection to the timer is made with a single common cable
- 2) the recommended cross section for all cables is 1.5 mm², over lengths shorter than 350 m; section size must be increased for longer lengths
- 3) the solenoid valves and relays operate at 24 V AC
- 4) if there is a pump installed, this must be connected only through a 150-200mA relay, which will operate a solenoid switch
- 5) remove the cable cover, unscrewing the two 2.9x13 self-tapping screws
- 6) route all the cables coming from the conduit through the slot provided in the timer housing
- 7) fit the timer onto the wall bracket
- 8) proceed to make the following connections, baring the relative wires of at least 15 mm

- the wire common to each valve and the Master Valve, coming from the junction box, to terminal "C"
- the second wire of each valve to automatic terminals 1 to 4 (for Cometa 4 zone timer) or terminals 1 to 6 (for Cometa 6 zone timer)
- the second wire of the master valve, or of the pump control relay, to terminal "MV"

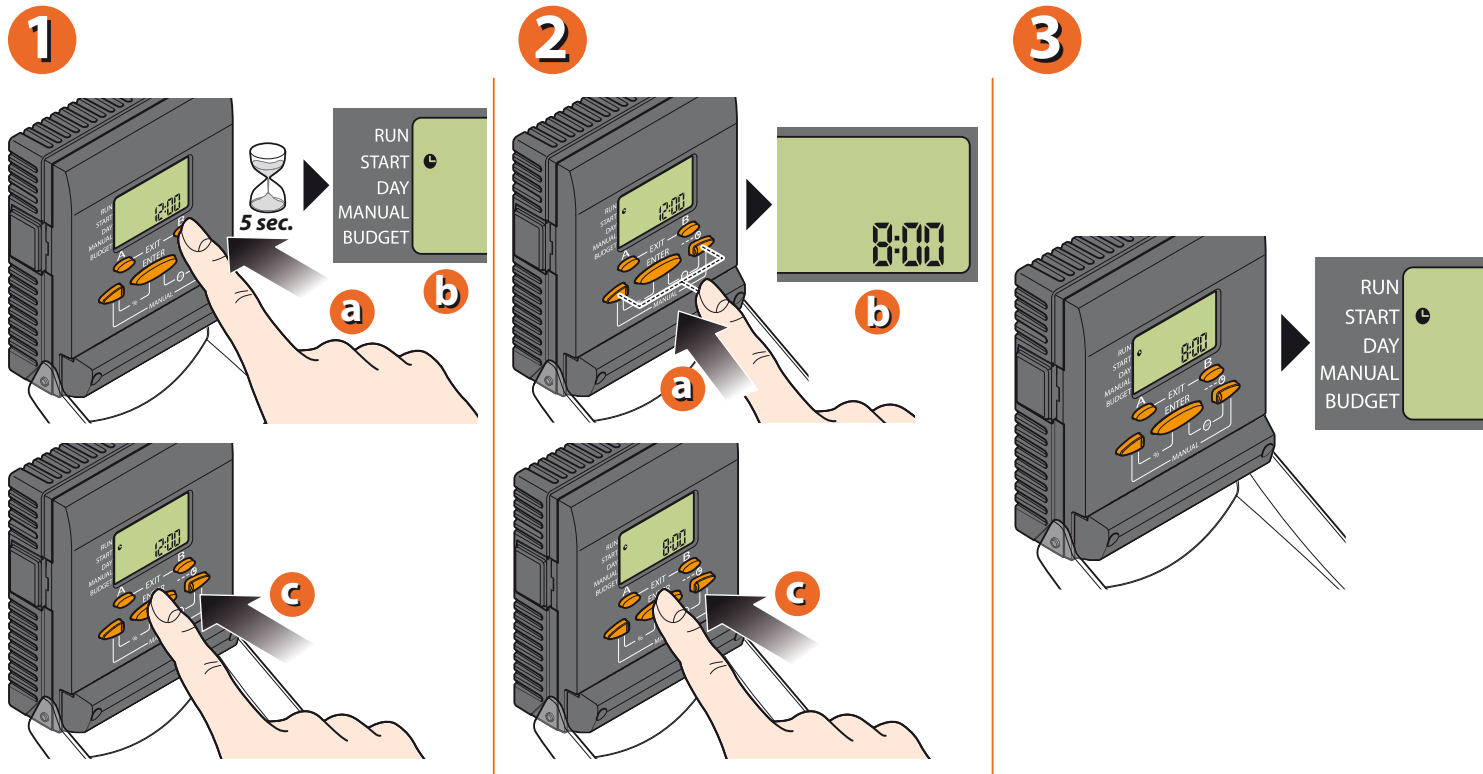
- 9) attach the two wires of the transformer cable, bared of at least 15 mm, to terminals "AC" and "AC"
- 10) fit the cover and secure with the two screws
- 11) plug the 220 / 24V transformer into the AC mains power socket



Having completed the installation of the timer, the clock and calendar must be set: time, year, day and month. The internal calendar, which runs until 2057, will show the day of the week corresponding to the current date: setting the date 11/01/2011, for example, the number 3 will be displayed, corresponding to Tuesday (number 1 denotes Sunday).

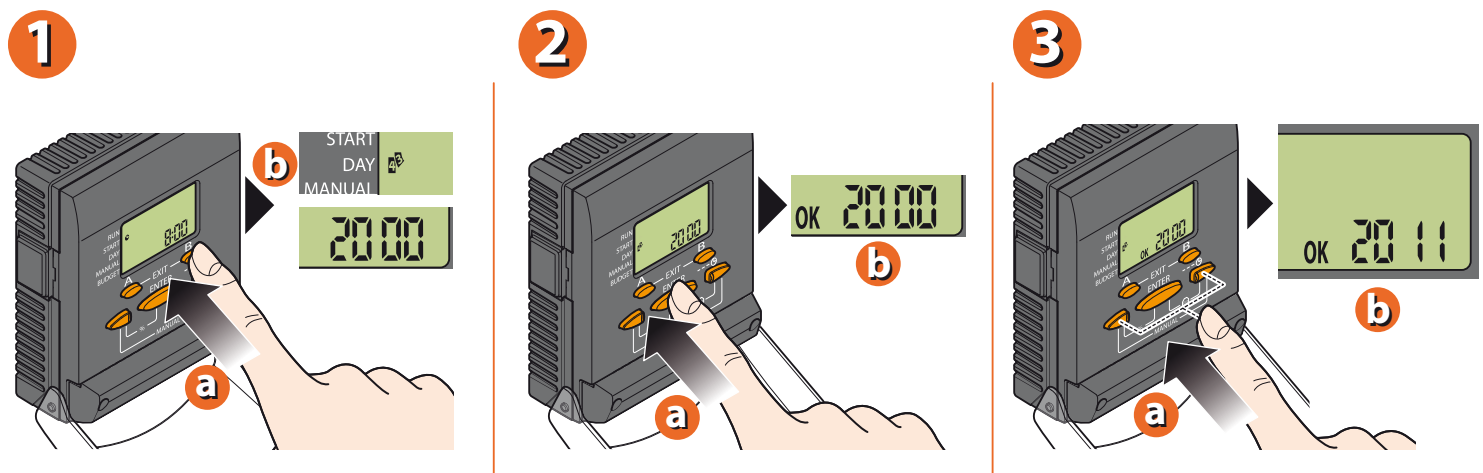
To set the time:

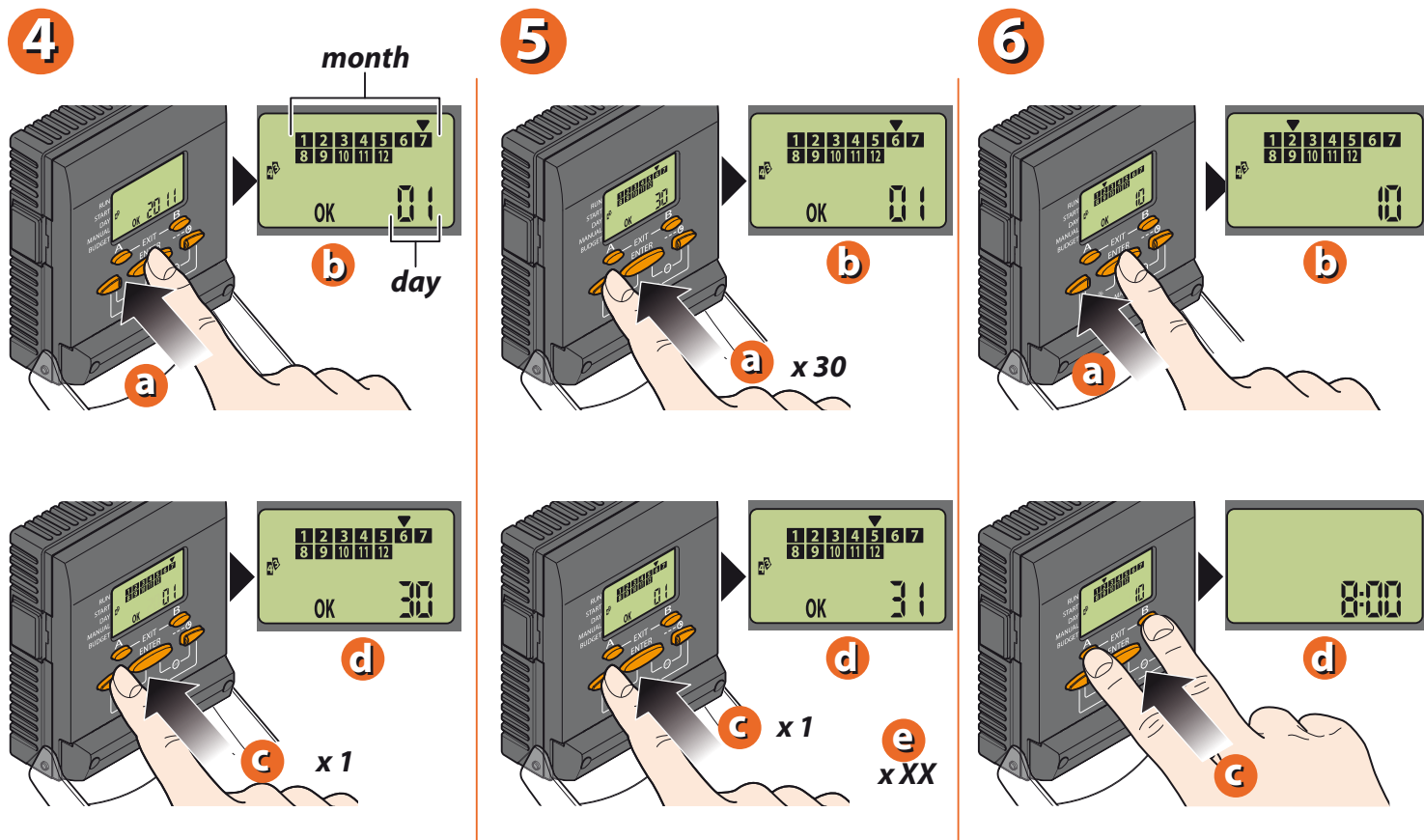
- press button B and keep it pressed for at least 5 seconds (to activate the SET-TIME function ⌚)
- press ENTER to activate the setting procedure
- use the arrows to set the time
- press ENTER to confirm



To set the year, day and month:

- press button B; the symbol **43** will appear in the display, with the default year
- press ENTER to activate the setting procedure
- use the arrows to select the year
- press ENTER to confirm the year and activate the day and month setting function (the message OK continues to be displayed, and the cursor blinks on month 7)
- use the arrows to select the day and month (press the button and keep it pressed until the cursor is positioned on the number of the month and the current day)
- press ENTER to confirm
- press EXIT (buttons A and B)



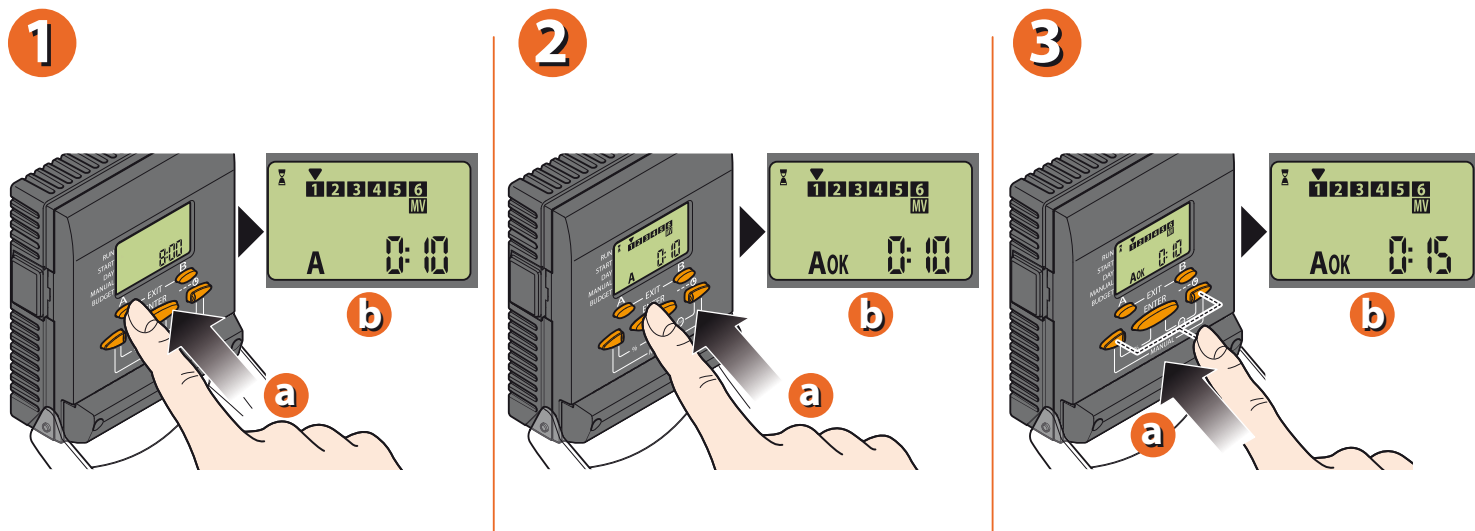


For Cometa 4 Zone (p/n): 8014

For Cometa 6 Zone (p/n): 8016

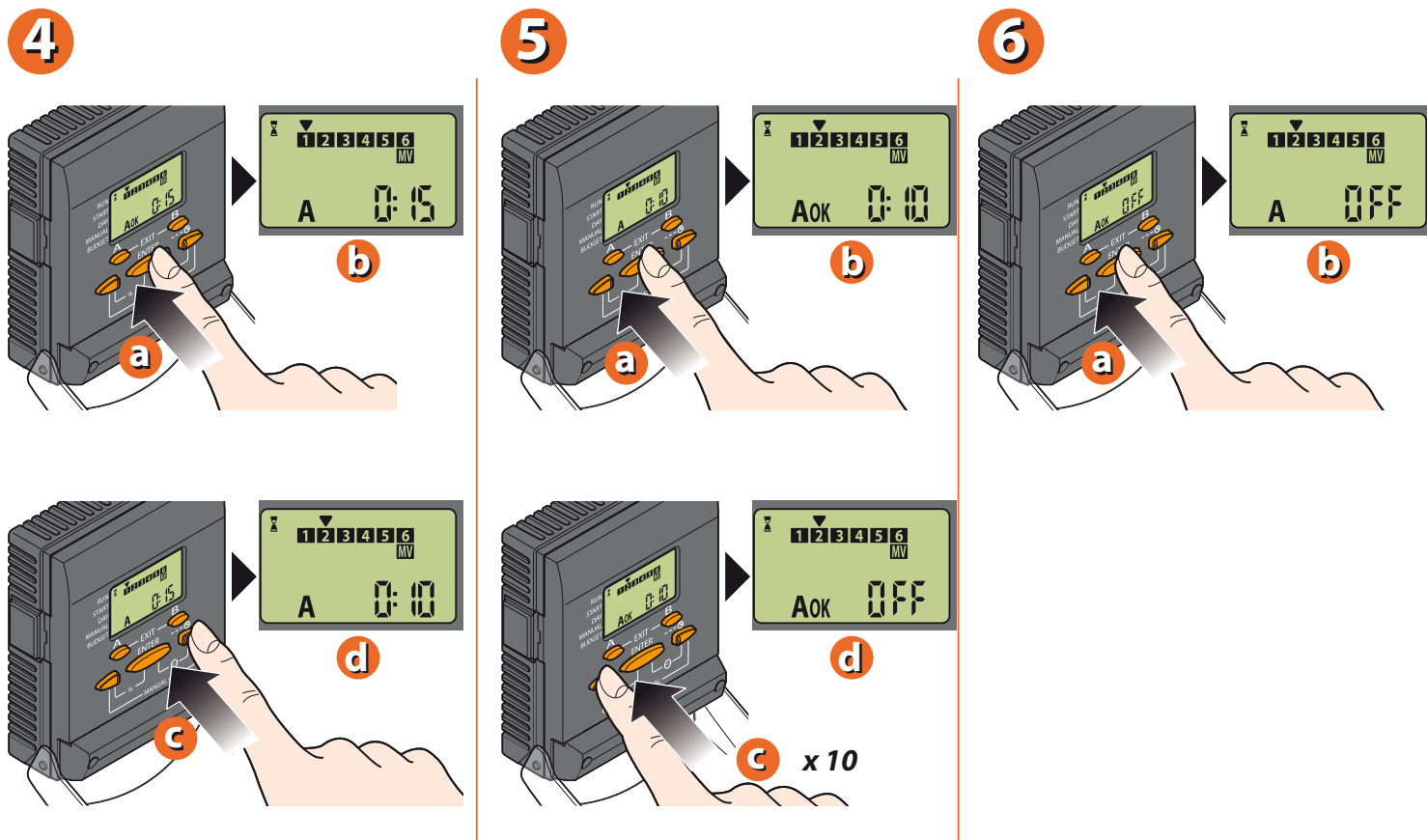
SETTING PROGRAMME A - DURATION

- press button A once: the symbol appears, the cursor blinks on valve 1 of the 4 or 6 valves available, and the relative duration is displayed (0:10)
- press ENTER to activate the line 1 duration setting procedure
- use the arrows to select the duration (e.g. 0:15)
- press ENTER to confirm the setting
- press the right arrow to select the next valve (up to 4 for the Cometa 4 zone timer, up to 6 for the Cometa 6 zone)
- repeat the same sequence of steps for all the valves. To deselect a valve, if required, simply set the duration to OFF, pressing the left arrow



For Cometa 4 Zone (p/n): 8014

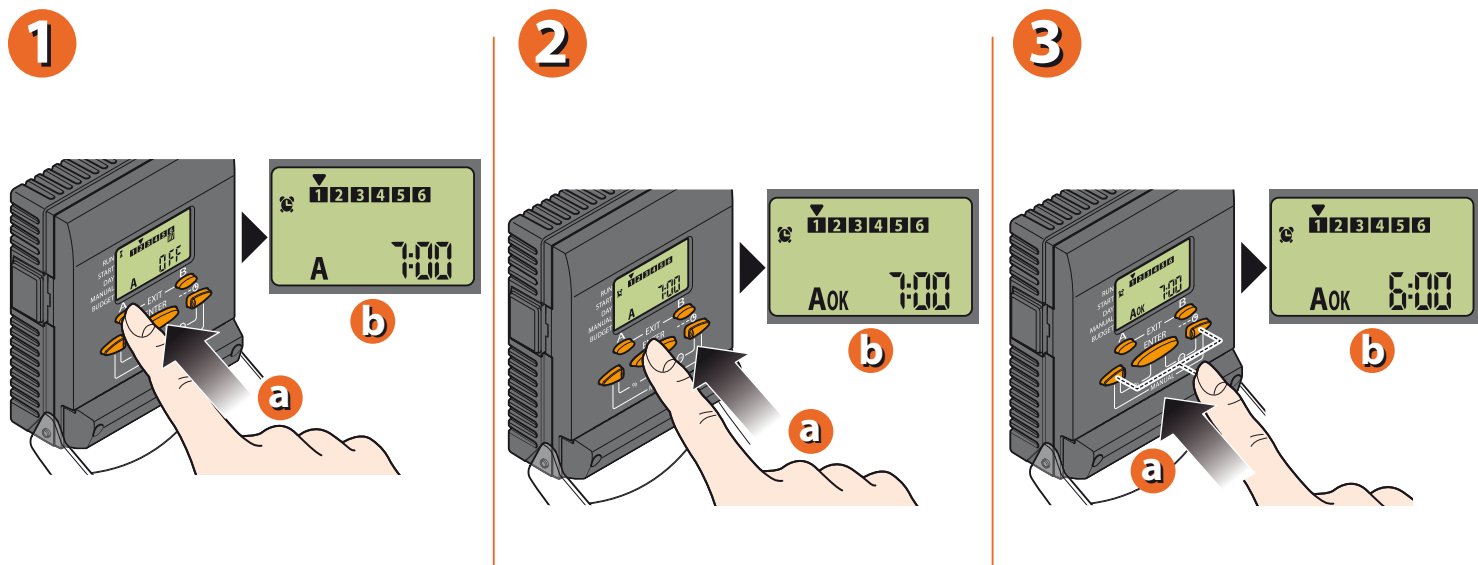
For Cometa 6 Zone (p/n): 8016



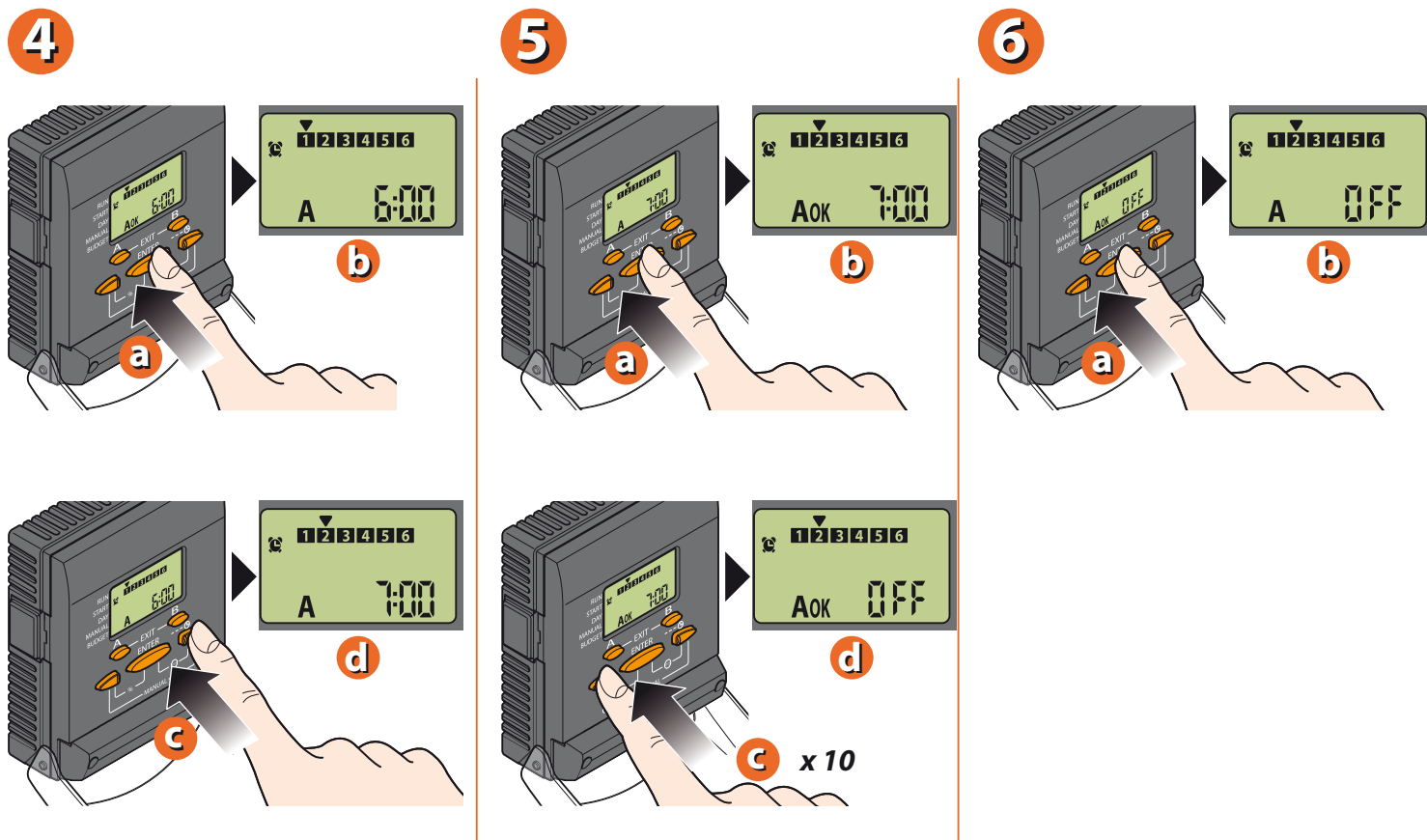
For Cometa 4 Zone (p/n): 8014
For Cometa 6 Zone (p/n): 8016

SETTING PROGRAMME A - START TIMES

- press button A once: the symbol appears, the cursor blinks on the first start of the four available
- press ENTER to activate the setting procedure
- use the arrows to set the start time
- press ENTER to confirm the setting
- To set another start time, select 2-3-4 with the arrows and repeat the same sequence of steps. To deselect a start, simply set the time to OFF.



For Cometa 4 Zone (p/n): 8014
For Cometa 6 Zone (p/n): 8016

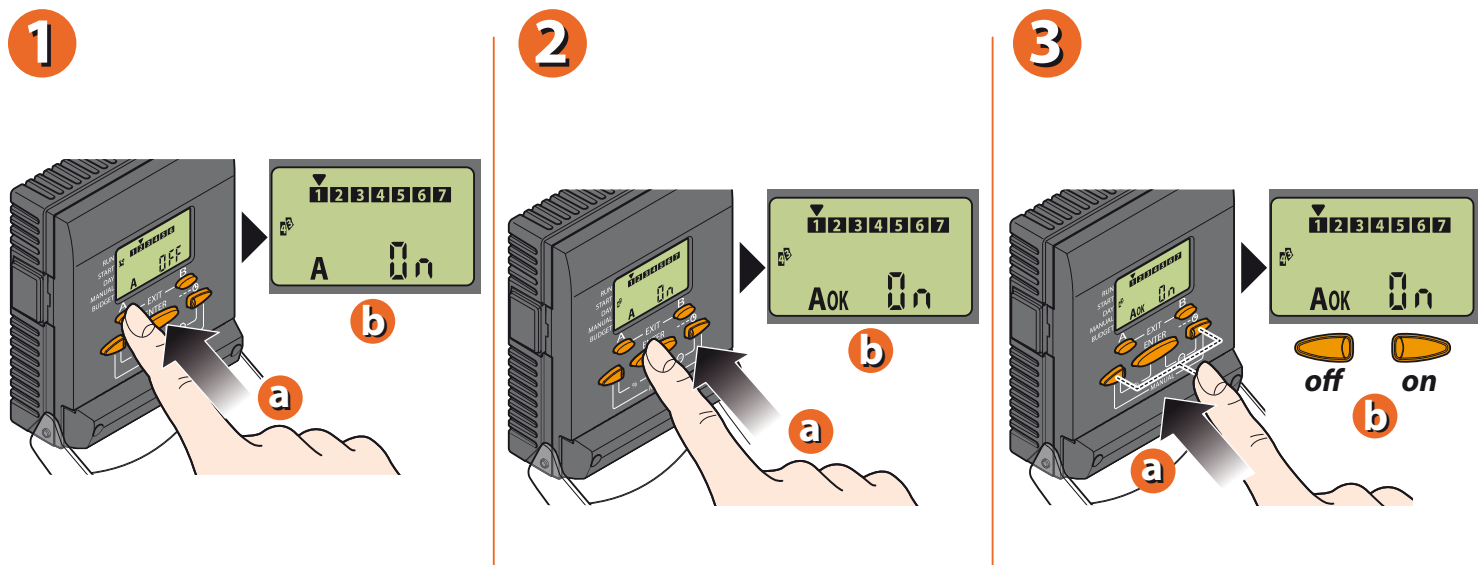


For Cometa 4 Zone (p/n): 8014

For Cometa 6 Zone (p/n): 8016

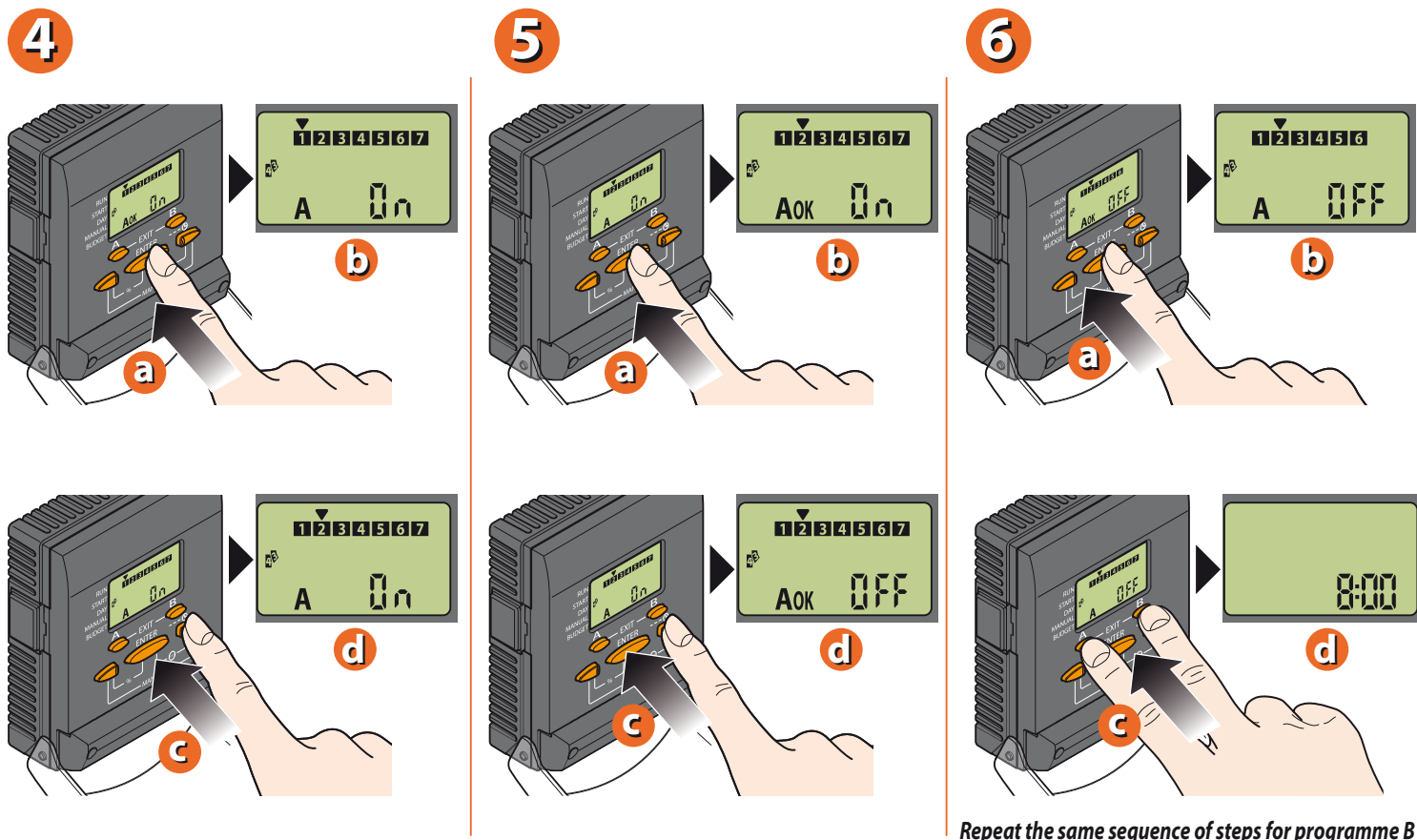
SETTING PROGRAMME A - WATERING DAYS

- press button A once: the **AB** symbol appears and the cursor blinks on the first day of the week (number 1 denotes Sunday)
- press ENTER to activate the setting procedure
- use to the arrows to select ON (watering active) or OFF (no watering)
- press ENTER to confirm the setting
- select another day using the arrows, and repeat the same steps for all the days of the week
- press EXIT (buttons A and B) to quit the programming function



For Cometa 4 Zone (p/n): 8014

For Cometa 6 Zone (p/n): 8016



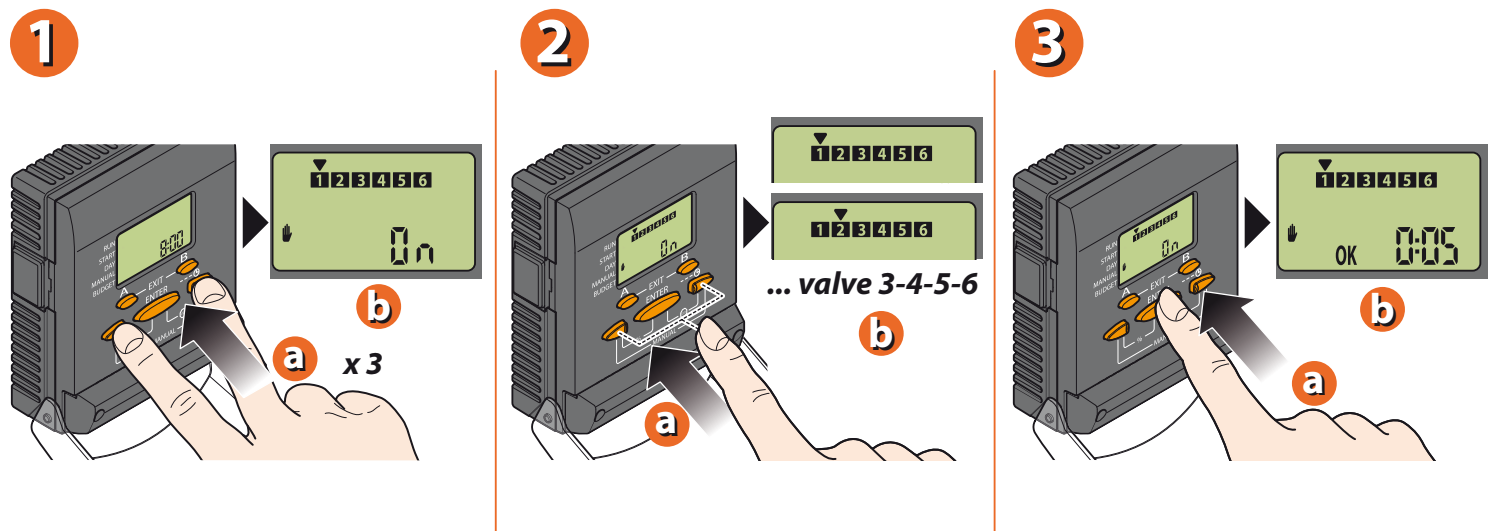
For Cometa 4 Zone (p/n): 8014

For Cometa 6 Zone (p/n): 8016

MANUAL OPERATION

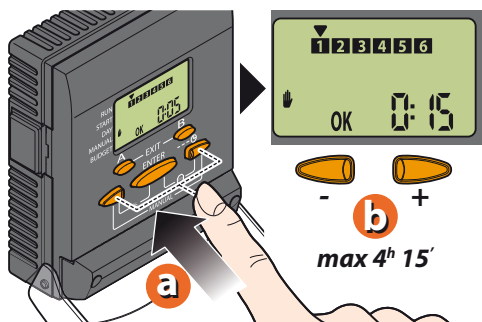
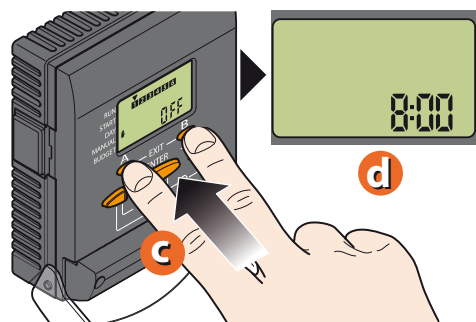
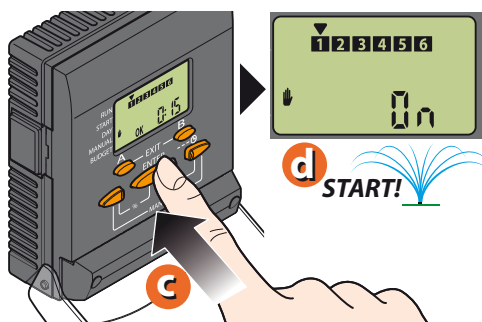
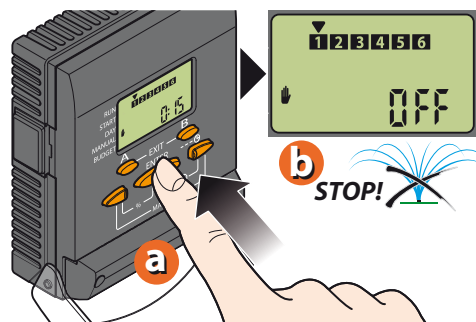
This function can be used to open a single solenoid valve immediately and for a timed duration.

- press the two arrow buttons simultaneously three times (MANUAL) until the display shows only the numbers of the valves, the symbol and the message ON or OFF; the cursor blinks on the first valve available
- select the valve to be opened by moving the cursor with the arrows
- press ENTER to confirm the selection, and proceed to set the watering duration
- use the arrows to set the duration of watering in hours and minutes (up to 4h and 15')
- press ENTER to confirm the setting; watering will start immediately
- press ENTER to stop watering before the set time has elapsed, if required
- press EXIT (buttons A and B) to quit the manual function



For Cometa 4 Zone (p/n): 8014

For Cometa 6 Zone (p/n): 8016

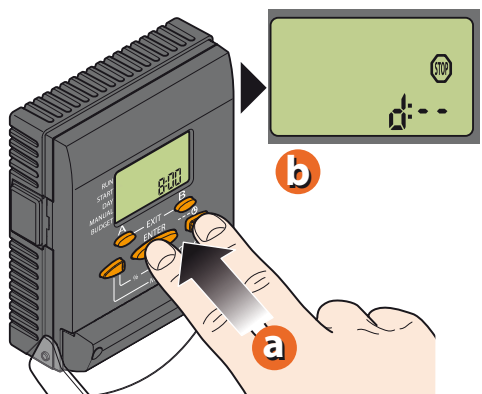
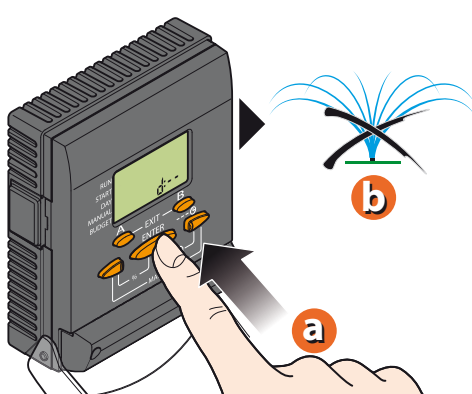
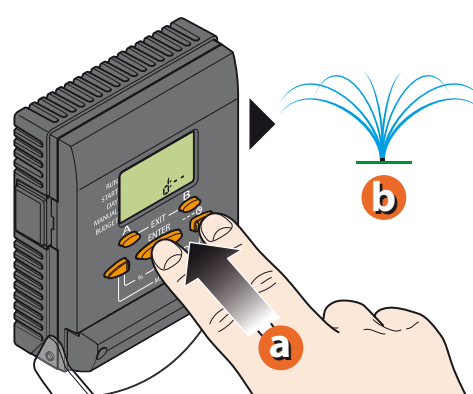
4

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For Cometa 4 Zone (p/n): 8014
For Cometa 6 Zone (p/n): 8016

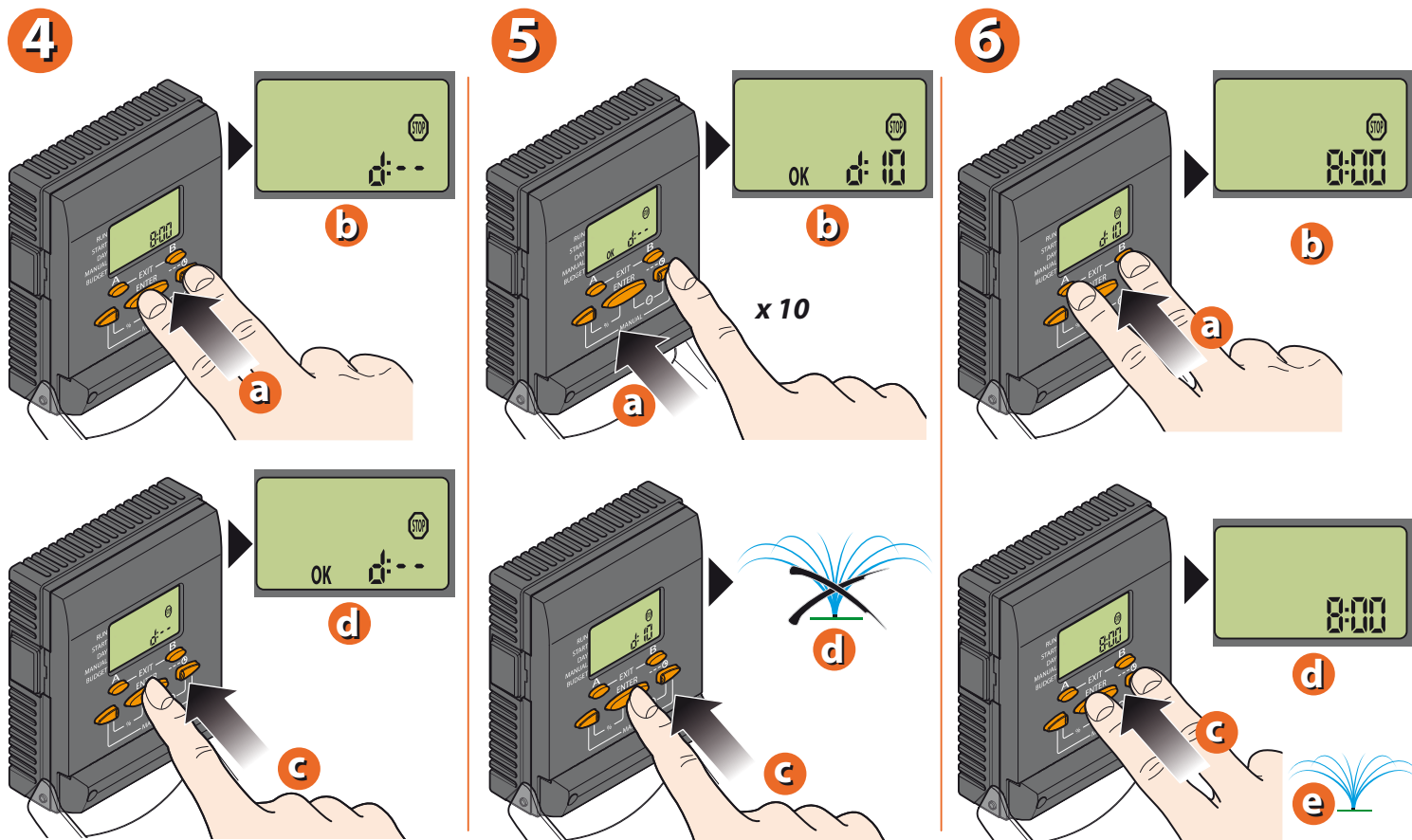
STOP FUNCTION

This function can be used to suspend watering for a duration ranging from a few minutes up to 15 days

- press the middle button and the right arrow (STOP)
- Press ENTER to activate the control function.
- set the number of days for which watering is to be suspended, using the right arrow (10 days, for example). Press ENTER to confirm
- press EXIT (buttons A and B) to quit the setting
- press the middle button and the right arrow again (STOP) to reactivate watering.

1

2

3


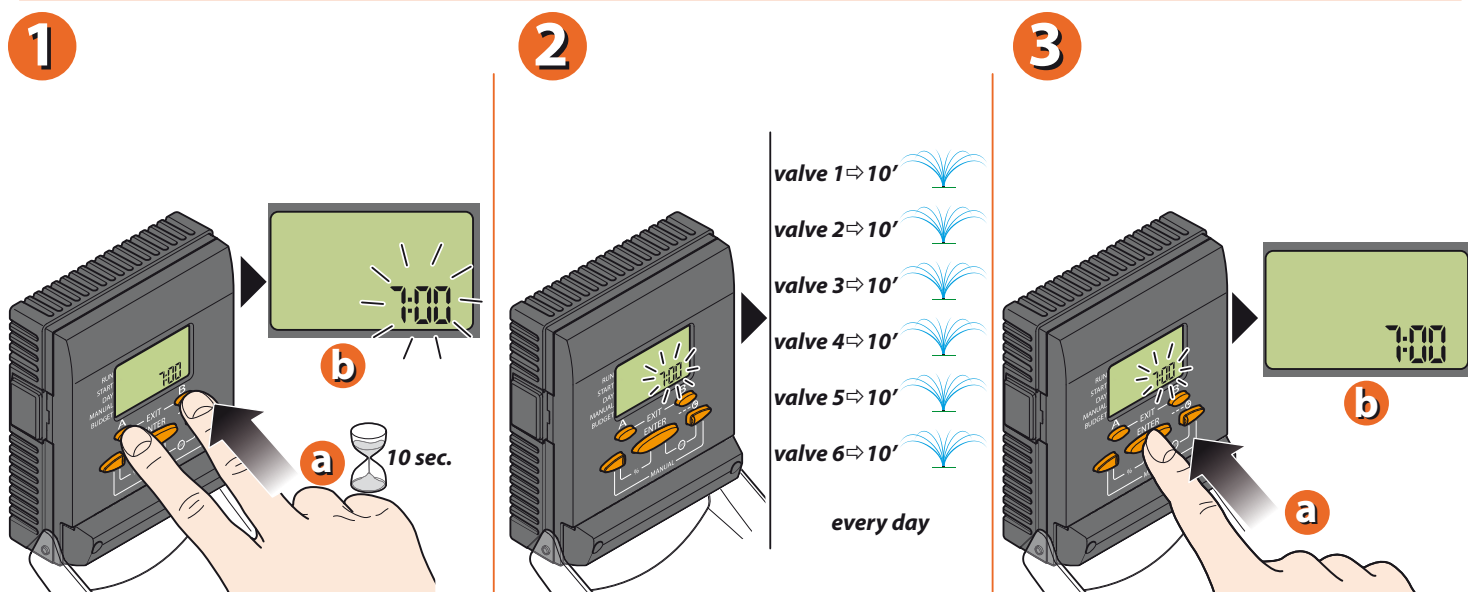
For Cometa 4 Zone (p/n): 8014
For Cometa 6 Zone (p/n): 8016



For Cometa 4 Zone (p/n): 8014
For Cometa 6 Zone (p/n): 8016

SAFETY PROGRAMME

The timer is provided with an internal memory containing a safety programme designed to activate each watering line for 10 minutes a day, every day, when the time displayed in the clock field reaches 7:00. To activate this function, press buttons A and B simultaneously (EXIT) and hold them for at least 10 seconds. The display blinks, and pressing any button in this situation will restore the timer to the previous situation.

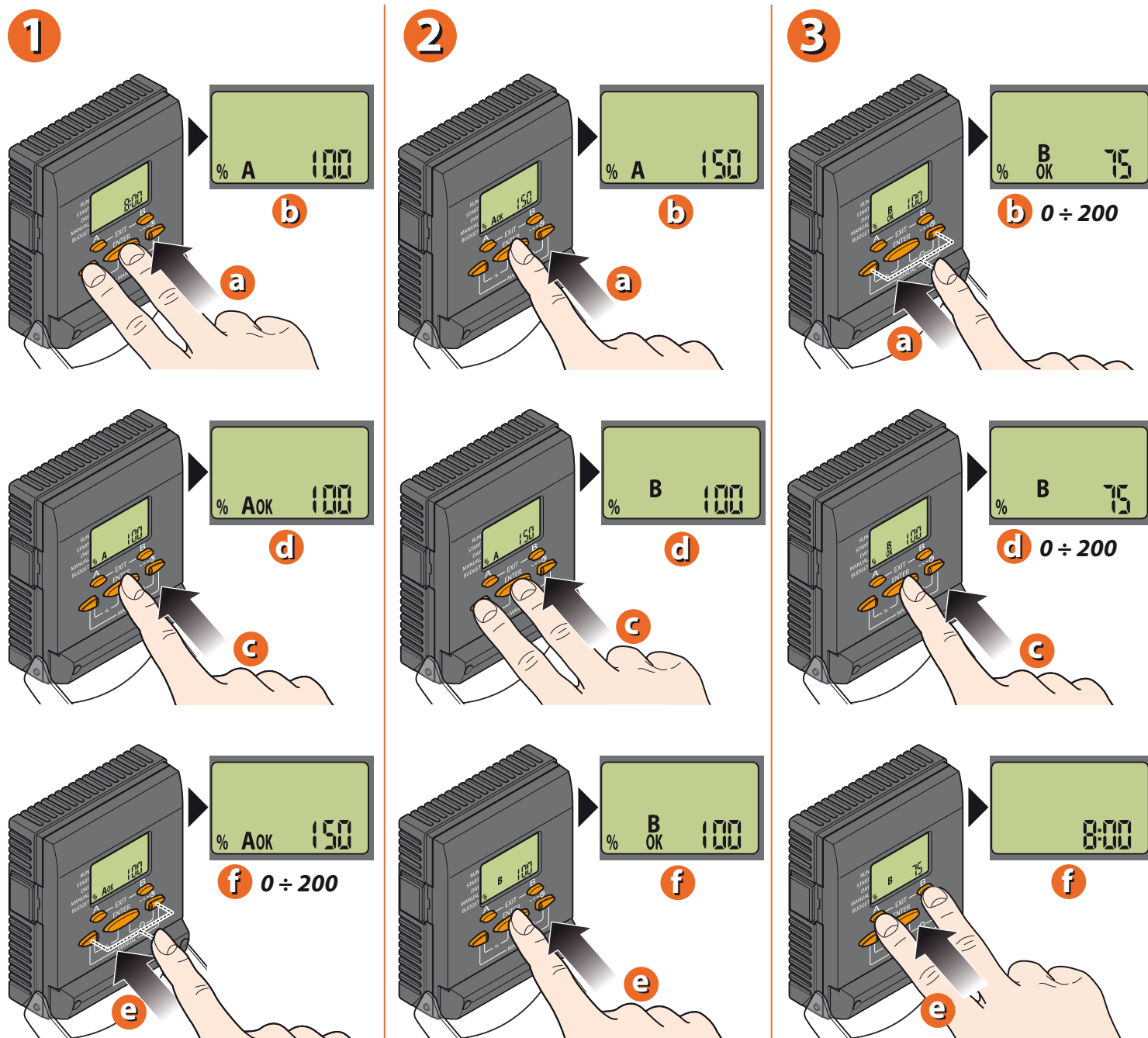


For Cometa 4 Zone (p/n): 8014
For Cometa 6 Zone (p/n): 8016

% FUNCTION

The BUDGET function enables an easy and swift adjustment of the selected programme duration to changing climatic conditions; times can be varied without difficulty: either reduced to 0 (this is the quickest way to deactivate the set programme) or increased to 200%, without any need to change the watering duration selected in the programmes. 100% corresponds to the duration set when the timer is programmed. The adjustment is independent for each programme (A and B).

- press the left arrow and the middle button (%): the symbols % and A will appear
- press ENTER to activate the selection of a percentage for programme A
- use the arrows to select the percentage (e.g. from 100% to 150%)
- press ENTER to confirm the setting for programme A
- press the left arrow and the middle button again (%): the symbols % and B appear
- repeat steps 2) to 4) to select the percentage for programme B (example: from 100% to 75%)
- press ENTER to confirm the setting for programme B
- press EXIT (buttons A and B) to quit the % function



For Cometa 4 Zone (p/n): 8014
For Cometa 6 Zone (p/n): 8016

For more information and further details, please consult the instruction manual supplied with the product.